

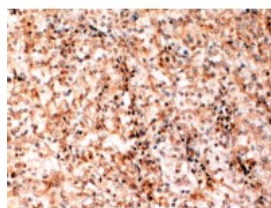


## TFEB Antibody

CATALOG NUMBER: 45-159



Western Blot (0.5ug/ml) staining of Human Thymus lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2ug/ml) staining of paraffin embedded Human Kidney cancer. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ChIP, ELISA, IHC-P, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:16000. Western Blot: Approx 60kDa band observed in Human Thymus lysates (calculated MW of 52.9kDa according to NP_009093.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Kuiper et al, Hum Mol Genet. 200 Immunohistochemistry: In paraffin embedded Human Kidney cancer shows strong nuclear staining of invading cells. Recommended concentration, 2-4ug/ml. Chromatin Immunoprecipitation: This antibody was confirmed in ChIP on SK-MEL-5 cells. This antibody was obtained from a previous batch (different goat).
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1282 - 3T3 (NIH) Cell Lysate
<b>IMMUNOGEN:</b>	TFEB antibody was raised against a 13 amino acid synthetic peptide near the N-Terminus of TFEB.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	TFEB antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	TFEB antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	TFEB, transcription factor EB, TCFEb, T-cell transcription factor EB, BHLHE35
<b>ACCESSION NO.:</b>	NP_009093
<b>PROTEIN GI NO.:</b>	24307933

**OFFICIAL SYMBOL:** TFEB

**GENE ID:** 7942

### Background

**REFERENCES:** 1) Steingrimsso E, Sawadogo M, Gilbert DJ, Zervos AS, Brent R, Blonar MA, Fisher DE, Copeland NG, Jenkins NA. Murine chromosomal location of five bHLH-Zip transcription factor genes. Genomics. 1995 Jul 20;28(2):179-83.

**FOR RESEARCH USE ONLY**

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